

REMARKS

Reconsideration of the pending application is respectfully requested on the basis of the following particulars:

Oath or declaration

A new declaration in compliance with 37 CFR 1.67(a) identifying this application by application number and filing date is submitted herewith.

Rejection of claims 1-20 under 35 U.S.C. § 103(a)

Claims 1, 3, 4, 9, 10, 12-15, and 20 presently stand rejected as being unpatentable over Solow (U.S. 5,469,135) in view of Lin (U.S. 6,259,362). Additionally, claims 2 and 11 are rejected as unpatentable over Solow in view of Lin and further in view of Kobuku et al. (U.S. 6,075,453); claims 5 and 19 are rejected as unpatentable over Solow in view of Lin and further in view of Hiebl (U.S. 6,496,100); claims 6 and 7 are rejected as unpatentable over Solow in view of Lin and further in view of Hiebl and Sari et al (U.S. 6,791,477); claim 8 is rejected as unpatentable over Solow in view of Lin and further in view of Davis (U.S. 4,660,027); claims 16 and 17 are rejected as unpatentable over Solow in view of Lin and further in view of Uzzo (U.S. 4,609,905); and claim 18 rejected as unpatentable over Solow in view of Lin and further in view of Handfield (U.S. 5,540,092).

Claims 1-9, 12, and 13 have been cancelled, rendering the rejections of claims 1-9, 12, and 13 moot. The rejections of claims 10, 11, and 14-20 are respectfully traversed for the following reasons.

Independent claim 10, which is presently rejected as unpatentable over Solow in view of Lin, has been amended to more particularly define the Applicant's invention.

Claim 10 has been amended to recite that the car theft alarm lock comprises a T-shaped lock unit having a coupling adapted to couple the lock unit to a steering wheel of a transportation vehicle, and having a digital electronic lock operably connected to the coupling to selectively release the coupling from the steering wheel. Support for the T-shape of the lock unit is found in Figures 1, 2, and 7. It is respectfully submitted that

neither Solow nor Lin teach or suggest such a T-shaped lock unit having a digital electronic lock. Solow does not disclose or suggest the T-shape lock unit or the digital electronic lock, and Lin teaches no locking mechanism for engagement with a steering wheel at all.

Claim 10 is additionally amended to recite a sensor module with a plurality of sensing functions, including an infrared sensing function, a horizontal motion sensing function, and a vertical motion sensing function. It is respectfully submitted that neither Solow nor Lin teach or suggest sensor module including an infrared sensing function, a horizontal motion sensing function, and a vertical motion sensing function. While the Examiner identifies the detector of Solow's anti-theft device described at col. 3, lines 39-41 of the Solow patent, it is respectfully submitted that the language identified, and indeed the rest of the Solow disclosure, is insufficient to provide the required teaching of an infrared sensing function, a horizontal motion sensing function, and a vertical motion sensing function. Solow broadly refers to detectors that respond to "vibration, ultrasonic intrusion detection, voltage transients, or the like." However, such a reference fails to teach specifically the horizontal and vertical motion detectors, and fails entirely to teach the use of infrared sensing to detect motion of a human body.

Claim 10 requires at least one tire pressure sensor for 1) detecting a status of a tire pressure of the transportation vehicle, and 2) transmitting a signal of low pressure if the tire pressure drops below a predetermined pressure value. While the Examiner notes that Solow does not disclose the tire pressure sensor, the Examiner states that Lin teaches such a tire pressure sensor. It is respectfully submitted that Lin fails to provide a sufficient teaching for at least one tire pressure sensor for 1) detecting a status of a tire pressure of the transportation vehicle, and 2) transmitting a signal of low pressure if the tire pressure drops below a predetermined pressure value as claimed in the present application. Instead, Lin merely refers to vehicle status information that includes vehicle tire air pressure, and broadly stated vehicle system status sensors. Thus, Lin fails to teach or suggest a tire pressure sensor that transmits a signal of low pressure if the tire pressure drops below a predetermined pressure value.

It is respectfully submitted that, for at least these reasons, Solow and Lin fail to teach each and every limitation of claim 10 of the present application. To establish prima facie obviousness of a claimed invention, *all the claim limitations* must be taught or suggested by the prior art. *In re Royka*, 490 F.2d 981, 180 USPQ 580 (CCPA 1974). "*All words in a claim* must be considered in judging the patentability of that claim against the prior art." *In re Wilson*, 424 F.2d 1382, 1385, 165 USPQ 494, 496 (CCPA 1970) (emphasis added).

Because Solow and Lin fail to teach each and every limitation of claim 10 of the present application, as discussed above, it is respectfully submitted that claim 10 is allowable over the cited references. Withdrawal of the rejection is respectfully submitted.

Claims 11 and 14-20 depend from independent claim 10. These claims stand rejected as un patentable in view of Solow and Lin, and in further view of Kobuku (claim 11), Uzzo (claims 16 and 17), Handfield (claim 18), and Hiebl (claim 19). The rejection of Claims 11 and 14-20 is respectfully traversed for the following reasons.

Because claims 11 and 14-20 depend from claim 10, the references applied in rejection of these claims must teach or suggest each and every limitation of claim 10 in addition to the limitations recited in each dependent claim. As discussed above, Solow and Lin fail to teach each and every limitation of claim 10. It is respectfully submitted that none of the Kobuku, Uzzo, Handfield, and Hiebl patents supplement the deficiencies of the Solow and Lin patents. It is therefore respectfully submitted that dependent claims 11 and 14-20 are allowable over the cited references. Withdrawal of the rejection is requested.

Additional amendments to claims 10, 11, and 14-18 have been made in the interest of clarify and style.

Conclusion

In view of the amendments to the claims, and in further view of the foregoing remarks, it is respectfully submitted that the application is in condition for allowance. Accordingly, it is requested that claims 10, 11, and 14-20 be allowed and the application be passed to issue.

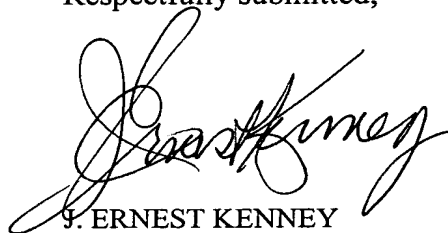
Application No.: 10/662,275
Examiner: Travis R. Hunnings
Art Unit: 2632

If any issues remain that may be resolved by a telephone or facsimile communication with the Applicant's attorney, the Examiner is invited to contact the undersigned at the numbers shown.

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "J. Ernest Kenney", written over a horizontal line.

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